



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231  
www.uspto.gov

BLG

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/966,210	09/27/2001	Michinori Shimizu	Saigoh Case 286	4541

7590 01/31/2003

FLYNN, THIEL, BOUTELL & TANIS, P.C.  
2026 Rambling Road  
Kalamazoo, MI 49008-1699

EXAMINER

MOHANDESI, IRAJ A

ART UNIT	PAPER NUMBER
2834	

DATE MAILED: 01/31/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

AK

<b>Office Action Summary</b>	Application No.	Applicant(s)
	09/966,210 Examiner Iraj A Mohandes	SHIMIZU, MICHINORI Art Unit 2834

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

1) Responsive to communication(s) filed on 27 September 2001 .

2a) This action is FINAL.                    2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

4) Claim(s) 1-8 is/are pending in the application.

4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.

5) Claim(s) \_\_\_\_\_ is/are allowed.

6) Claim(s) 1-6 is/are rejected.

7) Claim(s) 7 is/are objected to.

8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on 27 September 2001 is/are: a) accepted or b) objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11) The proposed drawing correction filed on \_\_\_\_\_ is: a) approved b) disapproved by the Examiner.

If approved, corrected drawings are required in reply to this Office action.

12) The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some \* c) None of:

1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).

a) The translation of the foreign language provisional application has been received.

15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____	6) <input type="checkbox"/> Other: _____

## DETAILED ACTION

### *Priority*

1. Acknowledgment is made of applicant's claim for foreign priority under 35 U.S.C. 119(a)-(d). The certified copy has been filed in parent Application No2000-312033 filed on 10/12/2000.

### *Claim Objections*

**Claim 1** is objected to because of the following informalities: Claim 1 recites the limitations "the cylinder block", "the motor stator "this motor case. There is insufficient antecedent basis for this limitation in the claim.. Appropriate correction is required.

### *Claim Rejections - 35 USC § 103*

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. **Claims 1-6** are rejected under 35 U.S.C. 103(a) as being unpatentable over

**Schiebbold US patent 5,773,903**.in view of **Heuer US patent 4,451,750**

**Schiebbold'903** disclosed a motor having a cylinder block of an engine(6.Fig.1) and a crank shaft ( 8a. column 2, line 57) for the purpose of operating a hybrid vehicle.

**Schiebbold'903** fails to teach an electric motor having a wiring connection device, with cylindrical-shape motor' case mounted on the cylinder block of the motor stator of an electric motor with a terminal box.

**Heuer '750.** discloses an electric motor having a wiring connection device, wherein a substantially cylindrical-shape motor' case(1 , Fig.1) is mounted on the cylinder block of a motor stator of an electric motor having a terminal box (6, column 3, line 6, Fig.1), having substantially the shape of a square cylinder and with vertical walls standing integrally (Fig.1) , and having an aperture portion directed in the outward radial direction is formed on the outer periphery of the case periphery wall of said motor case a motor-side through hole( opening ,column 2, line 60 ,Fig!) , directed in the outward radial direction and which communicates inside and outside of said motor case is formed in the case periphery wall enclosed by said vertical walls (Fig.1),a motor side connection terminal is mounted on motor-side coil wire drawn out from said motor stator(12,leads wire, column 2,line 62) the motor-side connection terminal is embedded and held by molding within said motor-side through hole (Fig. 1) and said motor-side through hole is sealed by means of this molding ( gasket 19, column 3, line 23),wherein the inner surfaces of the vertical walls of said terminal box are covered with molding ( 20, as shown in Fig.1),wherein respective motor-side connection terminals are attached to a plurality of motor-side coil wires ( 12, winding connection wires , Fig.1) is embedded and retained in the motor-side through hole ( opening where the winding wire are located , column 2 ,line 60, Fig. 1) ,a motor wire insertion hole, into which the motor-side coil wire is inserted is formed in said coil wire retaining portion, directed in the axial direction(Fig.1), a connection screw hole in which is screwed the connection bolt of said motor-side connecting portion is formed (Fig.1 the screw on terminal strip 13, column

3, line 16) , directed in the axial direction (Fig. 1.) wherein said cable-side connection terminal is constituted by a base-side cable retaining portion ( 13, column3, line 16 ). Therefore it would have been obvious to one having ordinary skill in the art at the time the invention was made to combine **Schiebbold'903** motor with a wiring connection device, with a cylindrical-shape motor case is mounted on the cylinder block of a motor stator of an electric motor having a terminal box , having the shape of a square cylinder with a vertical walls , and having an aperture portion directed in the outward radial direction formed on the outer periphery of the case as taught by **Heuer '750** for the purpose of operating a hybrid vehicle.

***Allowable Subject Matter***

**Claims 7 and 8** are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

***Communication***

13. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Iraj A Mohandes who's telephone number is (703)305-3242. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nestor Ramirez can be reached on 703-308-1371. The fax phone numbers

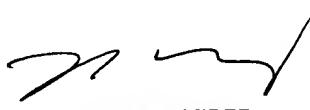
Application/Control Number: 09/966,210  
Art Unit: 2834

Page 5

for the organization where this application or proceeding is assigned are (703)872-9314  
for regular communications and (703)872-9314 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or  
proceeding should be directed to the receptionist whose telephone number is (703)306-  
0377.

IM  
January 27, 2003



NESTOR RAMIREZ  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2830